

In the Claims

Please replace all prior versions, and listings, of claims in the application with the following list of claims:

1. (Original) A method for attaching an agent to a body tissue comprising:
applying to the body tissue an agent attached to a linker selected from the group consisting of compounds that are substrates of lysine oxidase and compounds that react with lysine oxidase products,
applying to the body tissue lysine oxidase in an amount effective to permit crosslinking the agent attached to the linker to the body tissue via the linker, and
allowing said crosslinking to occur.
2. (Original) The method of claim 1, wherein the lysine oxidase is applied to the body tissue first.
3. (Original) The method of claim 1, wherein the linker comprises a molecule selected from the group consisting of:
 - (a) at least one amine, aldehyde or lysine,
 - (b) at least two contiguous linked amines, aldehydes or lysines,
 - (c) at least three contiguous linked amines, aldehydes or lysines,
 - (d) at least four contiguous linked amines, aldehydes or lysines, and
 - (e) at least five contiguous linked amines, aldehydes or lysines.
4. (Original) The method of claim 1, wherein the linker is 4 or more contiguous amines, aldehydes or lysines attached directly to one another by peptide bonds.
5. (Original) The method of claim 1, wherein the linker comprises a polymer of amino acids and wherein at least 20% of the amino acids are lysines.
6. (Original) The method of claim 5, wherein at least 30% of the amino acids are lysines.

7. (Original) The method of claim 5, wherein at least 40% of the amino acids are lysines.
8. (Original) The method of claim 1, further comprising first attaching to the body tissue a complementary linker, and attaching the complementary linker and the agent to one another by crosslinking the linker and the complementary linker by the lysine oxidase.
9. (Original) The method of claim 8, wherein the complementary linker is attached to the body tissue by applying to the body tissue the complementary linker,
applying to the body tissue an amount of lysine oxidase effective for crosslinking the complementary linker to the body tissue, and
allowing said crosslinking to occur.
10. (Original) The method of claim 9, wherein a polymer rich in lysine is one of the linker or complementary linker.

11-23. (Cancelled)

24. (Original) A method for attaching an agent to a body tissue, comprising:
first attaching to the body-tissue a linker which is covalently bondable to the agent in the presence of lysine oxidase,
then applying to the body tissue having the linker attached thereto an agent that is a substrate of lysine oxidase and which is covalently bonded to the linker in the presence of lysine oxidase,
applying to the body tissue lysine oxidase in an amount effective to crosslink the agent to the linker, and
allowing said crosslinking to occur.

25-35. (Cancelled)

36. (Original) A method for attaching an agent to a body tissue, comprising:
selecting an agent that is a substrate for lysine oxidase,
applying the agent in an isolated form to the body tissue in the presence of a sufficient
amount of lysine oxidase to crosslink the isolated agent to the body tissue, and
allowing the crosslinking to occur.

37-50. (Cancelled)

51. (Original) A method of treating a subject to attach microparticles to a skin surface of the
subject comprising
contacting the skin surface with lysine oxidase in an amount effective to permit
crosslinking of the microparticles to the skin surface
contacting the skin surface with microparticles having surface available reactive groups
in an amount sufficient to attach the microparticles to the skin surface in the presence of lysine
oxidase,
allowing the microparticles to remain in contact with the skin surface for a time sufficient
to permit a layer of microparticles to covalently attach to the skin surface.

52-94. (Cancelled)

95. (New) The method of claim 9, wherein the polymer rich in lysine has 4 or more
contiguous lysines directly attached to one another by peptide bonds.

96. (New) The method of claim 1, wherein the agent is not itself a substrate of lysine
oxidase.

97. (New) The method of claim 1, wherein the agent does not itself react with lysine oxidase
substrates.

98. (New) The method of claim 1, wherein the body tissue is selected from the group
consisting of skin, hair and nails, and wherein the agent is selected from the group consisting of a

cosmetic agent, a bulking agent, a hair conditioning agent, a hair fixative, a sunscreen agent, a moisturizing agent, a depilatory agent, an anti-nerve gas agent, a film forming agent, a vitamin, an insect repellent, a coloring agent, a pharmaceutical agent, a ligand-receptor complex and a receptor of a ligand-receptor complex.

99. (New) The method of claim 1, wherein the agent is a pharmaceutical agent.

100. (New) The method of claim 1, wherein the agent is a nonprotein.

101. (New) The method of claim 1, wherein the agent attached to a linker does not comprise a microparticle.

102. (New) The method of claim 24, wherein a polymer rich in lysine is the linker.

103. (New) The method of claim 102, wherein the agent comprises a polymer rich in lysine.

104. (New) The method according to claim 24, wherein the agent is selected from the group consisting of a visible label of a high affinity noncovalent coupling pair, a pharmaceutical agent, a receptor or a ligand of a receptor/ligand pair, a cosmetic, a sunscreen agent, a coloring agent, a bulking agent, a hair conditioning agent, a hair fixative, a moisturizing agent, a depilatory agent, an anti-nerve gas agent, a film forming agent, a vitamin and an insect repellent.

105. (New) The method of claim 36, wherein the agent is a conjugate of a native agent and a linker not native to the agent.

106. (New) The method of claim 36, wherein the agent is a native agent free of conjugation with groups not native to the agent.

107. (New) The method of claim 36, wherein the agent is a nonprotein.

108. (New) The method of claim 51, wherein the surface available reactive groups are selected from the group consisting of amines, aldehydes, aliphatic amines or lysines.

109. (New) The method of claim 51, wherein the layer of microparticles is non-planar.

110. (New) The method of claim 51, wherein the microparticles further comprise an agent, or an active agent, or a non-nucleic acid active agent, or a non-protein active agent.

111. (New) The method of claim 110, wherein the active agent is not itself a substrate of lysine oxidase and is not itself able to react with lysine oxidase products.